

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 07/21/2017 10:54 AM
Cytometer Baseline: 07/17/2017 11:48 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124280	-1	1.31	124173	1.29
Blue	F	SSC	125000	123160	-2	2.72	123592	2.46
Blue	E	FITC	23795	23119	-3	2.39	1031	10.34
Blue	D	PE	29673	29231	-2	1.93	1049	9.78
Blue	B	PerCP-Cy5-5	48943	47715	-3	3.34	1368	17.18
Blue	A	PE-Cy7	44112	43222	-3	5.16	667	36.40
Red	C	APC	54273	53680	-2	2.76	3098	9.43
Red	A	APC-Cy7	54945	53923	-2	2.65	1114	11.31
Violet	B	V450	15756	14999	-5	4.49	719	9.26
Violet	A	V500	62569	61325	-2	4.22	2720	6.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19667	3.13	610	-4	N/A	N/A	Pass
Blue	F	SSC	61081	1.47	543	-3	N/A	N/A	Pass
Blue	E	FITC	117	38.75	548	-2	0.0202	160	Pass
Blue	D	PE	231	29.82	545	-1	0.1695	304	Pass
Blue	B	PerCP-Cy5-5	213	46.33	634	-5	0.0098	114	Pass
Blue	A	PE-Cy7	71	126.30	691	-8	0.0114	21	Pass
Red	C	APC	363	27.74	599	-1	0.0205	83	Pass
Red	A	APC-Cy7	122	41.34	577	-7	0.0054	1588	Pass
Violet	B	V450	87	42.57	473	1	0.0460	1929	Pass
Violet	A	V500	197	22.66	502	3	0.0151	486	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.46	-30.89	0.86
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.08	13.27 - 19.91	N/A	N/A	31.17	31.58	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10445

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments